

FORM
2A

Rev
04/01

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



| | | | |
|----|----|----|----|
| DE | ET | OE | ES |
|----|----|----|----|

Document Number:

400181837

Oil and Gas Location Assessment

☒ New Location ☐ Amend Existing Location Location#: _____

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a standalone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this Assessment will allow for the construction of the below specified location; however, it does not supersede any land use rules applied by the local land use authority. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

424805

Expiration Date:

08/18/2014

☒ This location assessment is included as part of a permit application.

1. CONSULTATION

- ☐ This location is included in a Comprehensive Drilling Plan. CDP # _____
- ☐ This location is in a sensitive wildlife habitat area.
- ☐ This location is in a wildlife restricted surface occupancy area.
- ☐ This location includes a Rule 306.d.(1)A.ii. variance request.

2. Operator

Operator Number: 10276

Name: PINE RIDGE OIL & GAS LLC

Address: 600 17TH ST STE 800S

City: DENVER State: CO Zip: 80202

3. Contact Information

Name: MOE FELMAN

Phone: (303) 226-6860

Fax: (303) 226-1301

email: Moe.Felman@cometridgeresources.com

4. Location Identification:

Name: Aurora/Coho Number: 24-21

County: FREMONT

QuarterQuarter: SESW Section: 21 Township: 19S Range: 69W Meridian: 6 Ground Elevation: 5278

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 739 feet FSL, from North or South section line, and 2392 feet FWL, from East or West section line.

Latitude: 38.376149 Longitude: -105.117387 PDOP Reading: 3.1 Date of Measurement: 06/28/2011

Instrument Operator's Name: Chris Pearson

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

| | | | | |
|--|---|---|---|--|
| Special Purpose Pits: <input type="text"/> | Drilling Pits: <input type="text" value="1"/> | Wells: <input type="text" value="2"/> | Production Pits: <input type="text"/> | Dehydrator Units: <input type="text"/> |
| Condensate Tanks: <input type="text"/> | Water Tanks: <input type="text"/> | Separators: <input type="text"/> | Electric Motors: <input type="text" value="2"/> | Multi-Well Pits: <input type="text"/> |
| Gas or Diesel Motors: <input type="text" value="2"/> | Cavity Pumps: <input type="text"/> | LACT Unit: <input type="text"/> | Pump Jacks: <input type="text" value="2"/> | Pigging Station: <input type="text"/> |
| Electric Generators: <input type="text"/> | Gas Pipeline: <input type="text"/> | Oil Pipeline: <input type="text"/> | Water Pipeline: <input type="text"/> | Flare: <input type="text"/> |
| Gas Compressors: <input type="text"/> | VOC Combustor: <input type="text"/> | Oil Tanks: <input type="text" value="4"/> | Fuel Tanks: <input type="text"/> | |

Other: _____

6. Construction:

Date planned to commence construction: 09/01/2011 Size of disturbed area during construction in acres: 1.30
Estimated date that interim reclamation will begin: 03/01/2012 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 5277 Will a closed loop system be used for drilling fluids: Yes ☐
Will salt sections be encountered during drilling: Yes ☐ No ☒ Is H2S anticipated? Yes ☐ No ☒
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒
Mud disposal: Offsite ☐ Onsite ☒ Method: Land Farming ☐ Land Spreading ☐ Disposal Facility ☐
Other: Evaporation and burial

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 07/20/2011
Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
Mineral Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
The surface owner is: ☐ the mineral owner ☐ committed to an oil and gas lease
☐ is the executer of the oil and gas lease ☐ the applicant
The right to construct the location is granted by: ☐ oil and gas lease ☐ Surface Use Agreement ☐ Right of Way
☐ applicant is owner
Surface damage assurance if no agreement is in place: ☐ \$2000 ☐ \$5000 ☒ Blanket Surety ID 20080135

8. Reclamation Financial Assurance:

☒ Well Surety ID: 20080134 ☐ Gas Facility Surety ID: _____ ☐ Waste Mgnt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 364, public road: 370, above ground utilit: 375
, railroad: 3717, property line: 762

10. Current Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP
Non-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): _____
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

11. Future Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP
Non-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): _____
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

12. Soils:

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to be used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.gov/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: Shingle Loam, 3 to 20 percent slopes

NRCS Map Unit Name: _____
NRCS Map Unit Name: _____

13. Plant Community:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes ☐ No ☒

Plant species from: ☒ NRCS or, ☐ field observation Date of observation: _____

List individual species: Blue grama, Western wheatgrass, Sand dropseed, Sideoats grama, Little bluestem, Indian ricegrass, Needleandthread,

Check all plant communities that exist in the disturbed area.

- ☐ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
☒ Native Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
☐ Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
☐ Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
☐ Mountain Riparian (Cottonwood, Willow, Blue Spruce)
☐ Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
☐ Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
☐ Alpine (above timberline)
☐ Other (describe): _____

14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☒ No ☐ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

Distance (in feet) to nearest surface water: 650, water well: 3941, depth to ground water: 420

Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes

Is the location within a Rule 317B Surface Water Supply Area buffer zone:

☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. zone

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: ☐ No ☐ Yes

15. Comments:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: _____ Date: 07/08/2011 Email: Moe.Felman@cometridgeresources.com

Print Name: MOE FELMAN Title: Drilling Manager

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: David S. Neslin Director of COGCC Date: 8/19/2011

CONDITIONS OF APPROVAL, IF ANY:

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

Due to the likely hood of oil being received in the pit and exceeding 10,000 ppm TPH an approved Pit Permit (Form 15) will be required prior to pit construction. The form 15 shall include a pit management plan.

Attachment Check List

| Att Doc Num | Name |
|-------------|--------------------|
| 2533292 | MULTI-WELL PLAN |
| 2533293 | CORRESPONDENCE |
| 400181837 | FORM 2A SUBMITTED |
| 400182991 | ACCESS ROAD MAP |
| 400182992 | HYDROLOGY MAP |
| 400182993 | LOCATION DRAWING |
| 400182994 | LOCATION PICTURES |
| 400182995 | OTHER |
| 400182996 | NRCS MAP UNIT DESC |

Total Attach: 9 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|--|-------------------------|
| Permit | We have decided against moving the Location 75 east. Can you please take the Form 2 & 2A for the Aurora / Coho off of hold and resume the approval process. Regards, Paul Gottlob Sr. Engineering Technician Comet Ridge Resources, LLC | 8/17/2011 8:41:07 AM |
| OGLA | Pineridge has requested that this location be moved 75 feet. I am working with Bill and and Paul G. to get it worked out. The 2A should remain on hold until all of the new information has been received. | 8/15/2011 8:32:52 AM |
| Permit | Paul Gottlob has inquired about the possibility of moving the surface location some 75' at the surface owner's request. Have changed my tasks from passed to pending. Emailed Paul Gottlob and suggested he contact Arthur Koepsell for instruction on necessary changes. Sundry option not available until permits are passed. BY | 8/15/2011 5:18:08 AM |
| OGLA | Ready to pass 8/1/2011. | 7/15/2011 8:51:32 AM |
| Permit | Wrong well surety ID number. PAUL GOTTLLOB is not an authorized agent. | 7/11/2011 6:53:04 AM |
| Permit | Wrong well surety ID number. PAUL GOTTLLOB is not an authorized agent. Missing Surface Bond Number. | 7/8/2011 2:31:23 PM |

Total: 6 comment(s)

BMP

| <u>Type</u> | <u>Comment</u> |
|-------------|----------------|
| | |

Total: 0 comment(s)